

**FIG. 1****NUCLEOTIDE AND AA SEQUENCE**

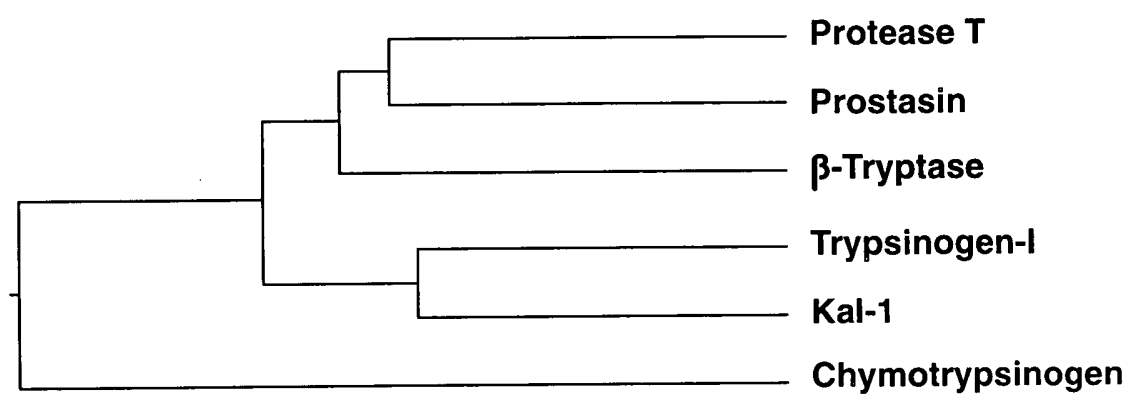
Nucleic acid sequence of Protease T (SEQ.ID.NO.:1)

GACCACGGCCCTGCGCCCCAGCCAGGCCTGAGGACATGAGGCGGCCGGCGGGTGC CGC  
 TCCTGCTGCTGCTGTGTTTTGGGTCTCAGAGGGCCAAGGCAGCAACAGCCTGTGGTGC CC  
 CCAGGATGCTGAACCGAATGGTGGGCGGGCAGGACACGCAGGAGGGCGAGTGGCCCTGGC  
 AAGTCAGCATCCAGCGCAACGGAAGCCACTTCTGCGGGGGCAGCCTCATCGCGGAGCAGT  
 GGGTCCTGACGGCTGCGCACTGCTTCCGCAACACCTCTGAGACGTCCCTGTACCAGGTCC  
 TGCTGGGGGCAAGGCAGCTAGTGCAGCCGGGACCACACGCTATGTATGCCCCGGGTGAGGC  
 AGGTGGAGAGCAACCCCCCTGTACCAGGGCAGGGCCTCCAGCGCTGACGTGGCCCTGGTGG  
 AGCTGGAGGCACCAAGTGCCCTTCACCAATTACATCCTCCCCGTGTGCCTGCCTGACCCCT  
 CGGTGATCTTTGAGACGGGCATGAACTGCTGGGTCACTGGCTGGGGCAGCCCCAGTGAGG  
 AAGACCTCCTGCCCCGAACCGCGGATCCTGCAGAAACTCGCTGTGCCCATCATCGACACAC  
 CCAAGTGCAACCTGCTCTACAGCAAAGACACCGAGTTTGGCTACCAACCCAAAACCATCA  
 AGAATGACATGCTGTGCGCCGGCTTCGAGGAGGGCAAGAAGGATGCCTGCAAGGGCGACT  
 CGGGCGGCCCCCTGGTGTGCCTCGTGGGTGAGTCTGCTGGCTGCAGGCGGGGGTGATCAGCT  
 GGGGTGAGGGCTGTGCCCGCCAGAACCGCCCAGGTGTCTACATCCGTGTACCGCCCCACC  
 ACAACTGGATCCATCGGATCATCCCCAACTGCAGTTCCAGCCAGCGAGGTTGGGCGGCC  
 AGAAGTGAGACCCCCCGGGGCCAGGAGCCCCCTTGAGCAGAGCTCTGCACCCAGCCTGCCCG  
 CCCACACCATCCTGCTGGTCTCTCCAGCGCTGCTGTTGCACCTGTGAGCCCCACCAGACT  
 CATTTGTAAATAGCGCTCCTTCCTCCCCTCTCAAATACCCCTATTTTATTTATGTTTCTC  
 CCAATAAAAACCCAGCCTGTGTGCCAGCTG

>Amino Acid Sequence of Protease T (SEQ.ID.NO.:7)

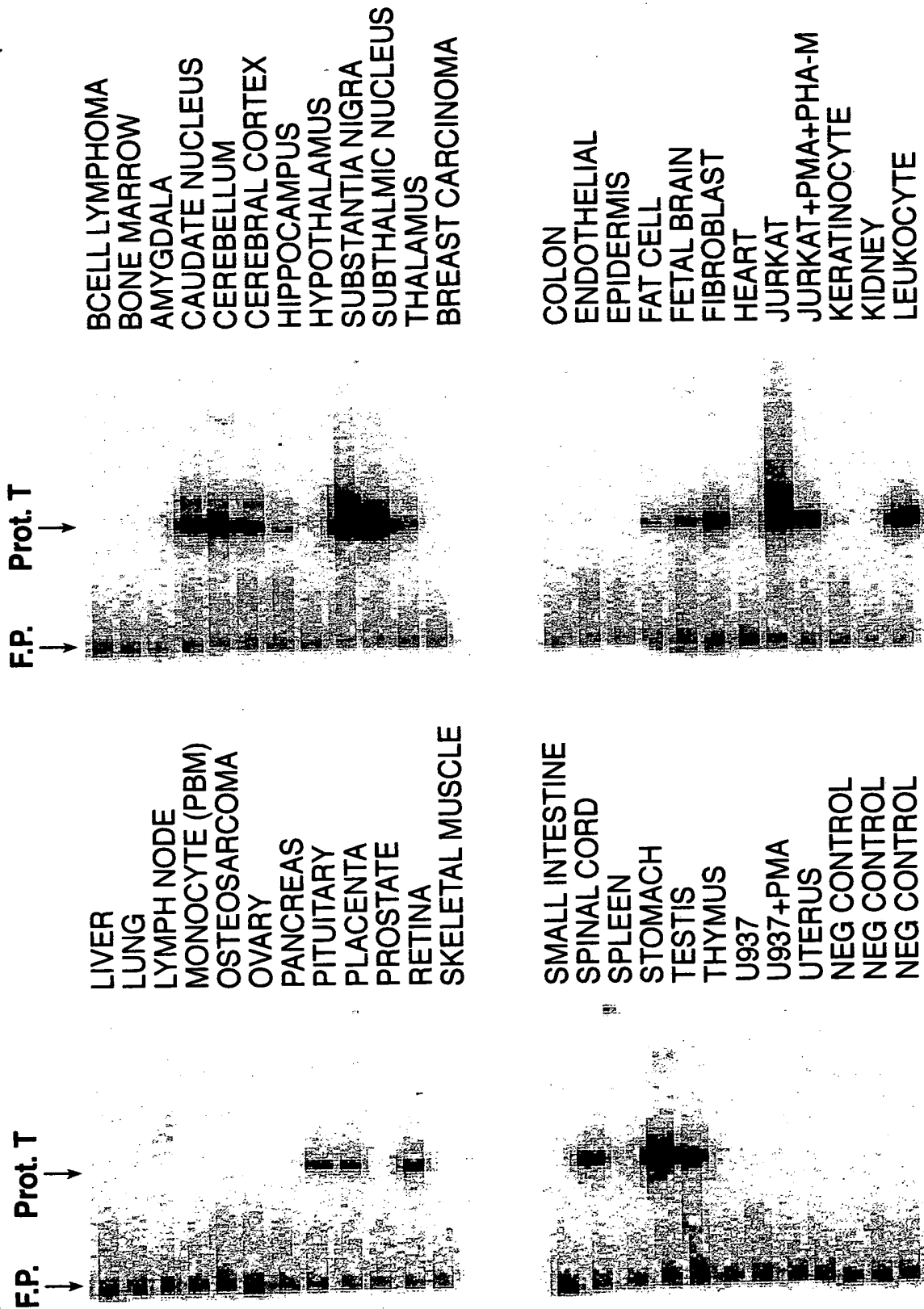
MRRPAAVPLLLLLCFGSQRAKAATACGRPRMLNRMVGGQDTQEGEWPWQVSIQRNGSHFC  
 GGSLIAEQWVLTAAHCFRNTSETSLYQVLLGARQLVQPGPHAMYARVRQVESNPLYQGTA  
 SSADVALVELEAPVPFTNYILPVCLPDPSVIFETGMNCWVTGWGSPSEEDLLPEPRILQK  
 LAVPIIDTPKCNLLYSKDTFEGYQPKTIKNDMLCAGFEEGKKDACKGDSGGPLVCLVGQS  
 WLQAGVISWGEGCARQNRPGVYIRVTAHHNWIHRIIPKLQFQPARLGGQK

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**FIG. 2**

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FIG. 3



**FIG. 4****FUSION PROTEIN**

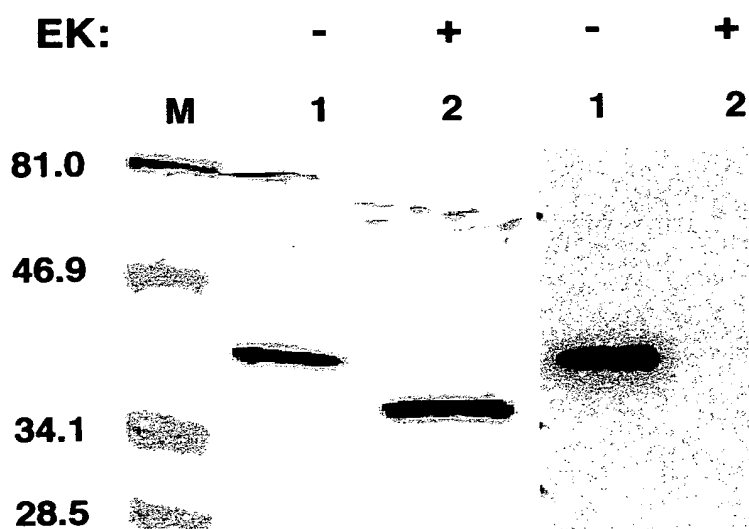
Nucleic Acid sequence of PFEK-PROTT-HIS fusion protein  
(SEQ.ID.NO.:8).

GAATTCACCACCATGGACAGCAAAGGTTTCGTGCGAGAAATCCCGCCTGCTCCTGCTGCTG  
GTGGTGTCAAATCTACTCTTGTGCCAGGGTGTGGTCTCCGACTACAAGGACGACGACGAC  
GTGGACGCGGCCGCTCTTGCTGCCCCCTTTGATGATGATGACAAGATCGTTGGGGGCTAT  
GCTCTAGAGGAGGGCGAGTGGCCCTGGCAAGTCAGCATCCAGCGCAACGGAAGCCACTTC  
TGCGGGGGCAGCCTCATCGCGGAGCAGTGGGTCTGACGGCTGCGCACTGCTTCCGCAAC  
ACCTCTGAGACGTCCCTGTACCAGGTCTGCTGGGGGCAAGGCAGCTAGTGCAGCCGGGA  
CCACACGCTATGTATGCCCCGGGTGAGGCAGGTGGAGAGCAACCCCTGTACCAGGGGCAG  
GCCTCCAGCGCTGACGTGGCCCTGGTGGAGCTGGAGGCACCAAGTGCCTTCACCAATTAC  
ATCCTCCCCGTGTGCCTGCCTGACCCCTCGGTGATCTTTGAGACGGGCATGAACTGCTGG  
GTCAGTGGCTGGGGCAGCCCCAGTGAGGAAGACCTCCTGCCCCGAACCGCGGATCCTGCAG  
AAACTCGCTGTGCCCATCATCGACACACCCAAGTGCAACCTGCTCTACAGCAAAGACACC  
GAGTTTGGCTACCAACCCAAAACCATCAAGAATGACATGCTGTGCGCCGGCTTCGAGGAG  
GGCAAGAAGGATGCCTGCAAGGGCGACTCGGGCGGCCCCCTGGTGTGCCTCGTGGGTGAG  
TCGTGGCTGCAGGCGGGGGTGTGATCAGCTGGGGTGTGAGGGCTGTGCCCCGCCAGAACCGCCCA  
GGTGTCTACATCCGTGTACCGCCCCACCACAACCTGGATCCATCGGATCATCCCCAACTG  
CAGTTCAGCCAGCGAGGTTGGGCGGCCAGAAAGTCTAGACATCACCATCACCATCACTAG  
CGGCCGCTTCCCTTTAGTGAGGGTTAATGCTTCGAGCAGACATGATAAGATACATTGATG  
AGTTTGGACAAACCACAACCTAGAATGCAGTGAAAAAATGCTTTATTTGTGAAATTTGTG  
ATGCTATTGCTTTATTTGTAACCATTATAAGCTGCAATAAACAAGTTGAC

Amino Acid sequence of PFEK-PROTT-HIS fusion protein  
(SEQ.ID.NO.:9).

MDSKGSSQKSRLLLLLLVVSNLLLCQGVVSDYKDDDDVDAAALAAPFDDDDKIVGGYALEE  
GEWPWQVSIQRNGSHFCGGSLIAEQWVLTAAHCFRNTSETSLYQVLLGARQLVQPGPHAM  
YARVRQVESNPLYQGTASSADVALVELEAPVPFTNYILPVCLPDPSVIFETGMNCWWTGW  
GSPSEEDLLPEPRILQKLAVPIIDTPKCNLLYSKDTEFGYQPKTIKNDMLCAGFEEGKKD  
ACKGDSGGPLVCLVGQSWLQAGVISWGECCARQNRPGVYIRVTAHNNWIHRIIPKLQFQP  
ARLGGQKSRHHHHHH

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**FIG. 5**

Protease: PFEK-Protease T-HIS

**FIG. 6****Protease Activity of Protease T**